

protruding out of the opening end 30 is removed, and a photosensitive drum 10 made of the impact drum 3 filled with the expanded resin 4 is obtained.

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SOLVENT-RESISTANT HEAT EXPANSIVE MICROCAPSULE

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APPL NO: JP 58047583
DATE FILED: Mar. 22, 1983
INT-CL: B01J13/02

ABSTRACT:

PURPOSE: To give sufficient solvent resistance and heat expansive property to microcapsule by providing a layer of a thermoplastic polymer softened at higher temp. than the vaporization temp. of a volatile liquid contained in the central part of the microcapsule surrounded by said thermoplastic polymer layer, and a covering layer consisting essentially of gelatin to the outermost surface of the capsule.

CONSTITUTION: Volatile liquid 1 (e.g. hexane) is contained in the central part of a capsule; a layer 2 of thermoplastic polymer (e.g. copolymer of vinylidene chloride and acrylonitrile) softened at higher temp. than the vaporizing temp. of the liquid 1 is provided to the outside of said liquid 1; and a covering layer 3 consisting essentially of gelatin is provided to the outermost surface of the microcapsule. Preferred amt. of gelatin for coating the surface of the core capsule is 1~30wt% based on the total dry weight of the double coated microcapsule to be obtd. Further, preferred amt. of the volatile liquid to be contained in the capsule is 3~50wt% based on the weight of the core capsule, more pref. 5~30wt% for obtg. higher coefft. of thermal expansion. Preferred size of the core capsule is 1~50 μ m; if high coefft. of thermal expansion is desired.

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COATING COMPOSITION

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APPL NO: JP 54107522
DATE FILED: Aug. 22, 1979
INT-CL: C09D7/12; C09D5/00

ABSTRACT:

PURPOSE: To provide a coating compsn. which is particularly useful as a wall covering material and forms a three-dimensional pattern by heating, containing a thermal expandable microsphere and a film-forming component.

CONSTITUTION: There is provided a coating compsn. contg. a film-forming component and a expandable microsphere which can be expanded by heat. The thermal expandable microsphere used can be obtd. by the micro-encapsulation